



# University of Hawaii at Manoa

Environmental Center  
Crawford 317 • 2550 Campus Road  
Honolulu, Hawaii 96822  
Telephone (808) 948-7361

RL:0797

## SB 570 MAKING AN APPROPRIATION FOR A GROUNDWATER CONTAMINATION DETECTION SYSTEM

Statement for  
Senate Committee on  
Agriculture and Environment  
Public Hearing - February 14, 1989

By  
Jacquelin Miller, Environmental Center  
Barry Brennan, Agricultural Biochemistry

The purpose of SB 570 is to provide funds for the completion of a computerized system for the detection of pesticides and other chemicals in Hawaii's groundwater. Our statement on this bill does not represent an institutional position of the University of Hawaii.

We assume that SB 570 is an extension of the work initiated in response to HB 384 (1987). That bill addressed the recommendations provided in the technical report on Pesticides and Environmental Quality, prepared by the Office of Environmental Quality Control for the 1987 State Legislature. The importance of adequate evaluative systems to detect pesticides and other chemicals in Hawaii's groundwater is of paramount importance to the state. Present state of the art techniques in computer modeling and the development of computerized data bases provide the much needed tools for evaluating theoretical and hydrogeological hypotheses pertinent to groundwater flows. Such models however must be properly tested with valid field data if they are to be useful predictive and management tools for groundwater protection. The funds that would be provided by SB 570 would provide the needed field, validation, and assessment studies.